

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 6, line 22, with the following rewritten paragraph:

-- Continuous culture would proceed by repetitive movements of the gated regions of tubing, which may be translucent or transparent. This involves simultaneous movements of the gates, the tubing, the medium, and any culture within the tubing. The tubing will always move in the same direction; unused tubing containing fresh medium (and hereafter said to be `upstream` of the growth chamber (7)) will move into the growth chamber and mix with the culture remaining there, providing the substrate for further growth of the organisms contained therein. Before Introduction into the growth chamber region, this medium and its associated tubing will be maintained in a sterile condition by separation from the growth chamber by the upstream gates (3). Used tubing containing grown culture will simultaneously be moved `downstream` and separated from the growth chamber by the downstream gates (4). --